

Title (en)

MULTIMERIC BICYCLIC PEPTIDE LIGANDS

Title (de)

MULTIMERE BICYCLISCHE PEPTIDLIGANDEN

Title (fr)

LIGANDS PEPTIDIQUES BICYCLIQUES MULTIMÈRES

Publication

**EP 3755725 A1 20201230 (EN)**

Application

**EP 19711158 A 20190222**

Priority

- GB 201802931 A 20180223
- GB 201805848 A 20180409
- GB 201818158 A 20181107
- GB 2019050485 W 20190222

Abstract (en)

[origin: US2019263866A1] The present invention relates to multimers of polypeptides which are covalently bound to molecular scaffolds such that two or more peptide loops are subtended between attachment points to the scaffold. The invention also describes the multimerization of polypeptides through various chemical linkers and hinges of various lengths and rigidity using different sites of attachments within polypeptides. In particular, the invention describes multimers of peptides which are high affinity binders and activators of CD137. The invention also includes drug conjugates comprising said peptides, conjugated to one or more effector and/or functional groups, to pharmaceutical compositions comprising said peptide ligands and drug conjugates and to the use of said peptide ligands and drug conjugates in preventing, suppressing or treating a disease or disorder mediated by CD137.

IPC 8 full level

**C07K 17/02** (2006.01); **A61K 47/64** (2017.01); **C07K 14/54** (2006.01); **C07K 14/705** (2006.01); **C07K 17/14** (2006.01); **C07K 19/00** (2006.01)

CPC (source: EP IL KR US)

**A61K 38/10** (2013.01 - KR); **A61K 47/54** (2017.08 - IL); **A61K 47/59** (2017.08 - EP IL US); **A61K 47/60** (2017.08 - EP IL KR US);  
**A61K 47/64** (2017.08 - EP IL KR US); **A61K 47/66** (2017.08 - IL US); **A61P 35/00** (2018.01 - IL KR US); **C07K 2/00** (2013.01 - IL US);  
**C07K 7/08** (2013.01 - IL KR US); **C07K 7/64** (2013.01 - EP IL US); **C07K 14/70575** (2013.01 - EP IL KR US);  
**C07K 17/02** (2013.01 - EP IL KR US); **C07K 17/14** (2013.01 - EP IL KR US); **A61K 47/54** (2017.08 - US); **C07K 2319/00** (2013.01 - EP IL US)

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

**US 10875894 B2 20201229; US 2019263866 A1 20190829;** AU 2019224659 A1 20201015; BR 112020014576 A2 20201208;  
CA 3091775 A1 20190829; CN 111902429 A 20201106; EP 3755725 A1 20201230; IL 276803 A 20201029; JP 2021514953 A 20210617;  
JP 2024023291 A 20240221; KR 20200128518 A 20201113; MX 2020008791 A 20210108; SA 520420008 B1 20240205;  
SG 11202007678Q A 20200929; US 11542304 B2 20230103; US 2021101933 A1 20210408; US 2023220008 A1 20230713;  
WO 2019162682 A1 20190829

DOCDB simple family (application)

**US 201916282877 A 20190222;** AU 2019224659 A 20190222; BR 112020014576 A 20190222; CA 3091775 A 20190222;  
CN 201980014806 A 20190222; EP 19711158 A 20190222; GB 2019050485 W 20190222; IL 27680320 A 20200819;  
JP 2020544402 A 20190222; JP 2023193191 A 20231113; KR 20207022622 A 20190222; MX 2020008791 A 20190222;  
SA 520420008 A 20200820; SG 11202007678Q A 20190222; US 202017080021 A 20201026; US 202218055255 A 20221114